

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: MAIER T - 2 US

SERIAL NO: 10/620,487 GROUP: 1632

FILED: JULY 16, 2003

TITLE: METHOD FOR FERMENTATIVE PRODUCTION OF AMINO ACIDS
AND AMINO ACID DERIVATIVES OF THE
PHOSPHOGLYCERATE FAMILY

SUBMISSION OF INFORMATION DISCLOSURE STATEMENT
OF DR. HOLGER POTTEN

MAIL STOP NON FEE AMENDMENT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Dear Sir:

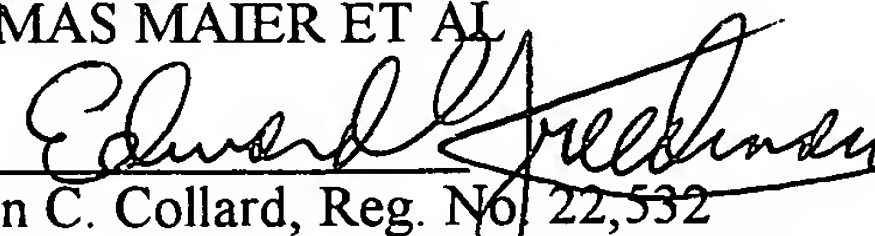
Applicants wish to bring to the attention of the Patent Examiner the attached Information Disclosure Statement, duly signed by Dr. Holger Potten, and the twenty- (2) references listed on the enclosed Form PTO-1449 and attached thereto. These references were cited in the application Specification, in the German PTO Office Action, and in the European Search Report dated August 11, 2003, copy enclosed. Also enclosed is the German Office Action dated April 8, 2003.

Since this Information Disclosure Statement is being filed prior to a first Office Action, it is believed that no fee is due. However, if it is determined that a fee is due, the Commissioner is hereby authorized to charge, or to credit any over payment, to our Deposit Account Number 03-2468.

It is respectfully requested that the Information Disclosure Statement be considered and placed into the application file.

Respectfully submitted,

THOMAS MAIER ET AL

By: 
Allison C. Collard, Reg. No. 22,532
Edward R. Freedman, Reg. No. 26,048
Attorneys for Applicants

COLLARD & ROE, P.C.
1077 Northern Boulevard
Roslyn, NY 11576
516-365-9802
ERF:dm

Enclosures: 1) Information Disclosure Statement Of Dr. Holger Potten
2) PTO-form 1449 w/copies of 2 references

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
COMMISSIONER OF PATENTS, P.O. BOX 1450 Alexandria, VA 22313-1450, on November 6, 2003.


Maria Guastella



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
THOMAS MAIER -2 US :
Serial Number 10/620,487 : Group Art Unit: 1632
Filed: JULY 16, 2003 :
For: METHOD FOR FERMENTATIVE PRODUCTION OF AMINO ACIDS AND
AMINO ACID DERIVATIVES OF THE PHOSPHOGLYCERATE FAMILY

Information Disclosure Statement

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir or Madam:

I, Holger Potten, associated with the preparation and prosecution of the above-identified application, residing at Neubiberger Straße 17a, 81737 München, Germany, wish to call the attention of the Patent Examiner to the references enumerated on the enclosed PTO Form-1449.

I believe the documents enumerated on the enclosed Form PTO-1449 and attached thereto, are cited in the enclosed application, in the Office Action of the German Patent and Trademark Office as well as in the European Search Report and may be material to the examination of the application.

Therefore, it is respectfully requested that the foregoing Information Disclosure Statement be considered by the Examiner and incorporated into the file of this application.

I wish to comment as follows concerning the prior art references enumerated on PTO Form-1449:

EP 0620853 B1, cited in the application, is in English language and is enclosed.

EP 0931833 A2, cited in the application, is in English language and is enclosed.

For WO 97/15673, cited in the application, an English Derwent Abstract is enclosed.

For DE 19949579 C1, cited in the application, an English Derwent Abstract is enclosed.

For EP 0885962 A1, cited in the application, an English Derwent Abstract is enclosed.

For DE 10107002, cited in the application, an English Derwent Abstract is enclosed.

~~For~~ DE 10219851.9-42, which has not been published, yet, describes a process for the production of L-Serin, is cited in the application.

EP 1 016 710 A2 A2, cited in the German Office Action, is already in English language and is enclosed.

Nakamori S. et al., "Overproduction of L-Cysteine and L-Cystine by Escherichia coli Strains with a Genetically Altered Serine Acetyltransferase", May 1998, Applied and Environmental Microbiology, vol. 64, no. 5: pp. 1607 – 1611, cited in the application, is enclosed.

Takagi H. et al., "PCR random mutagenesis into Escherichia coli serine acetyltransferase: isolation of the mutant enzymes that cause overproduction of L-cysteine and L-cystine due to the desensitization to feedback inhibition", 1999, FEBS Letters 452: pp. 323 – 327, cited in the application, is enclosed.

Blattner et al., "The Complete Genome Sequence of Escherichia coli K-12", Sept. 1997, Science vol. 277: pp. 1453 – 1462, cited in the application, is enclosed.

Trends in Biol. Sci., April 1999, 24: pp. 133 – 135, cited in the application, is enclosed.

Daßler et al., "Identification of a major facilitator protein from Escherichia coli involved in efflux of metabolites of the cysteine pathway", Molecular Microbiology 2000, vol. 36: pp. 1101-1112, cited in the application, is enclosed.

Hamilton et al., "New Method for Generating Deletions and Gene Replacements in Escherichia coli" Sept. 1989, Journal of Bacteriology, vol. 171, no 9: pp. 4617 – 4622, cited in the application, is enclosed.

Markides S. C., "Strategies for Achieving High-Level Expression of Genes in Escherichia coli" Sept. 1996, Microbiological Reviews, vol. 60, no. 3: pp. 512 – 538, cited in the application, is enclosed.

Gaitonde, M. K. "A Spectrophotometric Method for the Direct Determination of Cysteine in the Presence of the Other Naturally Occurring Amino Acids" (1967), Biochem. J. 104, pp. 627 – 633, cited in the application, is enclosed.

Signed this 26th day of August, 2003.


.....
Dr. Holger Potten

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. : 6010210

SERIAL NO. 10/620,487

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT :

THOMAS MAIER -2 US

FILING DATE: JULY 16, 2003

GROUP: 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
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	AH						
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	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	06208533	3/6/96	Europe	/			
	AM	0931833	7/28/99	Europe	/			
	AN	9715673	5/1/97	International	/			
	AO	19949579	11/16/00	Germany	/			
	AP	0885962	12/23/98	Europe	/			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		English Derwent Abstract HN 2000-648385 [13]
			corresp. to DE 19949579.
	AS		English Derwent Abstract HN 1997-246368 [23]
			corresp. to WO 97/15673.
	AT		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: Co 102 10

SERIAL NO. 10/620,487

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT:

THOMAS HAIR -2 US

FILING DATE: JULY 16, 2003

GROUP: 1632

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	10107002	8/29/02	Germany	1			
	AM	1016710	7/2000	EUROPEAN	1			
	AN							
	AO							
	AP							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		English Derwent Abstract HN 2002-629730 [8] ✓ corresp. to DE 10107002.
	AS		English Derwent Abstract HN corresp. to DE 10219851 H. (to follow)
	AT		English Derwent Abstract HN 1999-047559 [5] corresp. to EP 0885 962 H1.

EXAMINER

DATE CONSIDERED

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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. : CO 10210

SERIAL NO. 10/620,487

LIST OF REFERENCES CITED BY APPLICANT

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APPLICANT : THOMAS MAIER -2US

FILING DATE: JULY 16, 2003

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	AP							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Uakamori S. et al., Appl. Env. Microbiol. 64: pp 1607 - 1611. ✓
	AS		Tagaki H. et al., 1999, FEBS Lett. 452: pp. 323-327. ✓
			Blattner et al., 1997, Science 277: pp. 1453-1462. ✓
	AT		Trends in Biol. Sci., 1999, 24: pp. 133 - 135. ✓
			Dabler et al., Mol. Microbiol. 2000, 36: pp. 1101-1112. ✓

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(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. : CO 10210

SERIAL NO. 10/620,487

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APPLICANT : THOMAS MAIER -2US

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Hamilton et al., 1989, J. Bacteriol. 171: pp. 4617 - 4622. ✓
	AS		Mar Kides S. Co., 1996, Microbiol. Rev. 60: pp. 512 - 538. ✓
	AT		Gaionde, M. K. (1967), Biochem. J. 104, pp. 627 - 633. ✓

EXAMINER

DATE CONSIDERED

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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: CO1021G

SERIAL NO. 10/620,487

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT: THOMAS MAIER -2US

FILING DATE: JULY 16, 2003

GROUP: 1632

U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Nashimoto: "YFIK P38101" EMBL/SWISSPROT XP 002142362.
	AS		Frank et al, Journal of Bacteriology Vol. 185, no. 4, Feb. 20, 2003, pp. 1161 - 1166.
	AT		BLAXNER et al "The Complete Genome Sequence of Escherichia coli K-12" pg 1453-1462
EXAMINER			DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.